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(PCT Article 18 and Rules 43 and 44)

pplicant's or agent's file reference 877	FOR FURTHER ACTION as well a	as well as, where approve	
	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)	
nternational application No. CT/JP 2004 / 004289	26.03.2004	26.03.2003	
pplicant SHOWA DENKO K.K.			
	prepared by this International Searching Authoried to the International Bureau.	ity and is transmitted to the applicant according	
to Article 18. A copy is being dansing	_		
This international search report consists		report.	
It is also accompanied by	a copy of each prior art document cited in this		
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the text has been estate may, within one month	s submitted by the applicant. Jished, according to Rule 38.2(b), by this Auth If from the date of mailing of this international to be published with the abstract is Figure 1	ority as it appears in Box No. IV. The applicant search report, submit comments to this Authority	
as suggested b	y the applicant.	suggest a figure.	
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. INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/004289

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	n searched other than minimum documentation to the extent to	that such documents are included in the	ne fields searched	
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:. DOCUN	MENTS CONSIDERED TO BE RELEVANT	wriate of the relevant passages	Relevant to claim No.	
Category*	Citation of document, with indication, where approp	mac, or me	22 22	
	JP 64-39339 A(Kobe Steel, Ltd.	.),1989.02.09,	20-22	
Y	claim1, table1, page5 column2			
	line3-6 (Family:None)			
	Times over	- 1088 05.10.	20-22	
Y	JP 63-104751 A (SHOWA DENKO K			
-	figure1.page6 columns liner			
	line14 (Family: None)		- 00	
	TO TORRES & (Kobe Steel, L	td.),1984.11.01,	1-22	
A	JP 59-193238 A (Kobe Steel,Ltd.),1984.11.01, claiml,tablel(Family:None)			
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	rther documents are listed in the continuation of Box C.	See patent family annex.		
		"T" later document published after priority date and not in conflict	the international filing date of with the application but cited t	
• Spe	cial categories of cited documents: cument defining the general state of the art which is not	priority date and not in con the	ory underlying the invention	
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Nome	and mailing address of the ISA/JP	Authorized officer Noboru Nakazaw		
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